



## **Participant Biographies: *“A Historic View of the Clean Air Act: Providing the Way for Cleaner Air, Innovation, and Economic Opportunities”***

### **Hal Harvey, CEO, Energy Innovation LLC**



Hal Harvey is the CEO of Energy Innovation, a San Francisco-based energy and environmental policy firm. Since its inception in 2012, Energy Innovation has delivered high-quality research and analysis to policymakers around the world and across a range of jurisdictions to help inform their energy policy decisions.

Previously, Hal was the founder and CEO of ClimateWorks Foundation, a network of foundations that promote policies to reduce the threat of climate change. From 2002-2008, he served as Environment Program Director at the William and Flora Hewlett Foundation. From 1991-2002, Hal served as founder and President of the Energy Foundation, a philanthropy supporting policy solutions that advance renewable energy and energy efficiency.

Hal has served on energy panels appointed by Presidents Bush (41) and Clinton, and has published two books and dozens of articles on energy and national security issues. He is President of the Board of Directors of the New-Land Foundation, Chairman of the Board of MB Financial Corporation, and Vice Chairman of the Scientific Advisory Board for Mercator Climate Center. He is also a Senior Fellow for Energy and the Environment at the Paulson Institute, and in 2016 was awarded the Heinz Award for the Environment.

Early in his career, Hal designed and built solar homes, and built an electric car for his commute. He holds B.S. and M.S. degrees from Stanford University in Engineering, specializing in Energy Planning.

## **Michael T. Bakas, Senior Vice President, Ameresco**



Mr. Bakas is Senior Vice President of Ameresco, a leading energy efficiency and renewable energy company. He is a member of the founding management team of the 17-year old public company (NYSE:AMRC).

Mr. Bakas has over 26 years of experience in the energy industry and has been at the forefront of the strategic development of renewable energy assets.

As a pioneer in the renewable energy industry, he drove and completed some of the earliest agreements that helped shape the protocols and the markets in those states that first implemented renewable portfolio standards. Ever since, he has driven the growth of Ameresco's renewable energy portfolio to become one of the leading energy services providers in North America. Additionally, Mr. Bakas is instrumental in Ameresco's corporate strategic planning and global business growth.

Mr. Bakas directs Ameresco's Distributed Energy Systems Group, which is primarily responsible for the development and operation of energy generation assets both domestically and internationally. This group, led by Mr. Bakas, has successfully developed in excess of 300 eMW of small infrastructure energy supply assets. He has been key in fostering and supporting legislation that promotes the use of renewable resources. Due to Mr. Bakas' expertise and foresight, Ameresco and its customers have won numerous awards from the U.S. EPA, the Department of Energy, the Climate Change Business Journal, state agencies, and other industry organizations. Mr. Bakas has a solid track record of development, marketing and management of a wide array of energy services from the retail sale of power and natural gas to the successful development of energy service and energy saving efficiency projects throughout the nation.

Mr. Bakas is an active member of the U.S. EPA's Landfill Methane Outreach Program, National Association Energy Engineers, the Greater Boston Chamber of Commerce Energy Committee, and many other national and local organizations.

As an industry expert, Mr. Bakas is often invited to speak at industry and customer forums where he typically addresses topics such as Energy Efficiency, Distributed Energy Systems, MicroGrids and Renewable Energy. He is regularly sought out for expertise and opinion, and has been involved in both radio and televised interviews. Over his career he has been tapped to provide his expertise and guidance regarding energy issues in states from California to Massachusetts, as well as to participate in discussions setting direction for state and local energy policy. Mr. Bakas is frequently quoted in industry and business publications. Over the course of his career, he has written a number of articles and is most recently published in Distributed Energy Magazine.

Mr. Bakas earned a B.S. in Mechanical Engineering from the University of Massachusetts Amherst and an M.B.A. from Boston College, The Carroll Graduate School of Management.

**Dr. Timothy Johnson, Director of Emerging Regulations and Technologies,  
Corning Incorporated**



Dr. Tim Johnson is a well-known expert on emerging mobile emissions regulations and technologies, and helps develop strategic positioning for new products. Dr. Johnson is quite active in various advisory and ad-hoc committees with international government agencies, universities, and private organizations, and is a frequent speaker at international technical conferences.

He has been with Corning for 31 years, and 20 years in the current position. He is a four-time recipient of the Lloyd L. Withrow Distinguished Speaker Awards from SAE (Society of Automotive Engineers), and in 2008 was named SAE Fellow. He also received California's 2009 Haagen-Smit Clean Air Technology Award. He is on the editorial board of three leading engine journals, and recently served on the National Research Council review committee on the US Department of Energy 21st Century Truck Partnership program.

He earned his BS and MS Engineering Degrees from the University of Minnesota in 1978 and 1979, and his Doctor of Science from MIT in 1987.

**George Howard, Co-Owner and Board Member, Inovateus Solar**



George is professor emeritus in the University of Notre Dame's Department of Psychology and has spent his career researching assertion training, communication skills, interviewing skills, teaching improvement and social skills. His credentials also include work as a Faculty Fellow for the Reilly Center for Science, Technology, and Values, the Kroc Institute for International Peace Studies, and the Institute for Educational Initiatives. George is the author of more than 200 publications, including Stan Ovshinsky and the Hydrogen Economy: Creating a Better World. George has a BA in psychology from Marist College, an MA in learning psychology from Southern Illinois University, and a PhD in counseling psychology from Southern

Illinois.

A part-owner of Inovateus, George has been engaged with the Inovateus team since 2006 and was a pivotal force behind the company's solar energy focus. With a deep understanding of the Inovateus history, purpose and evolving strategy, he uses knowledge from his academic research to provide input, direction and decisions to initiatives that will further strengthen the company.